Web Analytics and BI Wiki
The Web Analytics and BI Wiki

Resources to track, visualize and analyze data about traffic, conversions and user behavior

This website is a compilation of resources about technology that helps track, visualize and analyze traffic, conversions, and user behavior.

About the
Web Analytics & BI Wiki,
Supported by CoolaData

Web analytics has gone a long way since we monitored server logs and counted the number of "hits" to our web pages. Today's marketing professionals have access to an entire ecosystem of tools that enable tracking and monitoring advanced user behavior metrics, and analyzing that data in new ways to uncover business insights. In addition, digital marketing has expanded beyond websites - to web apps, mobile apps, games, mega content sites and other digital assets that require special types of analysis.

Clickstream analytics solutions like Google Analytics, Webtrends and KISSmetrics, the "bread and butter" of the space, have been complemented by product and app analytics solutions that provide deeper insight into user behavior, such as CoolaData, MixPanel and Chartbeat; customer experience and recording tools like ClickTale and HotJar, A/B testing and conversion optimization tools like Optimizely, and of course BI technologies and data science platforms like Tableau, Qlik, Pentaho and Sisense which help marketing professionals slice and dice, dig in and visualize all this data.

This website will bring together thousands of online resources written by numerous individuals and organizations from different parts of the industry, about digital analytics and BI for digital marketing. It's a collaboratively-edited wiki site that links to resources written by bloggers, media and news sites, analysts, and other vendors. The site is built and operated by CoolaData, an event-based behavioral analytics and BI platform - but it is a vendor-agnostic platform containing all the information we could find that would help the marketing and analytics community learn.

Key Topics in Web Analytics & BI

This wiki includes resources on the following main topics. Each topic includes an entire tree of subtopics covering different aspects:

**Web Analytics Concepts**

Analytics strategy, analytics aspects of conversion rate optimization, web analytics and usability testing, data visualization in web analytics, and more.

**Web Analytics Metrics**

Definitions and in-depth discussions of common metrics like sessions, time on site and bounce rate, and key web analytics concepts like conversion goals, in-site search, attribution models and micro-conversions.

**BI for Digital Marketing**

Using BI for advertising, online behavioral analytics, BI for content strategy, marketing dashboards, using BI for personalization, and more.

**Specialized Digital Analytics**

Analytics systems providing niche solutions for mobile analytics, eCommerce analytics, game analytics, content and media analytics, SEO/PPC/SEM analytics, email analytics, social analytics, and more.
Digital Analytics Technologies

Includes a dedicated page for each tool, with links to pertinent vendor information, and community knowledge on how to evaluate, choose and use each tool:

- **Clickstream web analytics tools** - enterprise tools like Adobe Analytics and Google Analytics 360, midrange tools like Clicky, KISSmetrics and Woopra, and open source tools like AWStats and Piwik.
- **Product and app analytics** - tools including CoolaData, MixPanel, Interana, Localytics, and RJMetrics.
- **Customer experience, session recording and heat maps** - tools including ClickTale, CrazyEgg, HotJar, Inspectlet and Mouseflow.
- **A/B testing, landing page and conversion optimization** - tools including Adobe Target, Webtrends Optimize, Convert, Instapage, Optimizely, and Unbounce.

BI Technologies Relevant for Digital Marketing

- **Data science platforms** - tools including Algorithmia, Context Relevant, Dataiku, Plotly and Sense.io.
- **BI platforms** - tools including IBM Cognos, Oracle BI, Pentaho, Sisense, Salesforce Wave Analysis, Birst, Domo, AtScale, and Platfora.
- **Data visualization** - tools including Qlik, Tableau, Google Cloud Datalab, Looker Analytics, and Chart.io.

Further Reading

- **Web Analytics Concepts and Metrics**
  - **Web Analytics Concepts**
    - Events in Web Analytics
    - Conversion Goals
    - Click Analytics and In-Page Analytics
    - Site Search Analytics
    - Segmentation in Web Analytics
    - Attribution Models in Web Analytics
    - Macro and Micro Conversion
  - **Web Analytics Practices**
    - Web Analytics Strategy
    - Web Analytics Setup and Implementation
    - Web Analytics Dashboards
    - Data Quality and Accuracy in Web Analytics
    - Qualitative Analysis in Web Analytics
    - Conversion Rate Optimization - CRO
  - **Web Analytics Metrics**
    - Visits and Sessions in Web Analytics
    - Visitors, Unique Visitors and Unique Users
    - New Visitors, Repeat Visitors and Returning Visitors
    - Page Views and Unique Page Views
    - Time on Site, Session Duration
    - Page Time Viewed, Page Visibility Time, Page View Duration
    - Average Page Depth, Page Views Per Average Session
    - Bounce Rate
    - Conversion Rate
    - Ad Impressions
    - Referrers and Social Media Traffic
    - Direct Traffic in Web Analytics
    - Source and Medium in Web Analytics
- **BI for Digital Marketing**
  - **BI for Advertising Analytics**
  - Online Behavioral Analytics
  - Predictive Analytics for Marketing
  - Data Visualization for Marketing
  - Marketing Dashboards
  - Customer Data Platforms
  - Marketing Data Integration
  - BI, Big Data and Personalization
  - BI and Segmentation
- **Specialized Analytics**
  - **Mobile Analytics**
    - Mobile App Analytics
    - iOS Analytics
    - Mobile Advertising Analytics
    - Mobile Website Analytics
- Mobile Analytics Metrics
- eCommerce Analytics
- Game Analytics
- Content and Media Analytics
- SEO Analytics and Metrics
- PPC and SEM Analytics and Metrics
- Email Analytics and Click Tracking
- Social Media Analytics
- Multi-Channel Analytics
- Real-Time Analytics
- Web Analytics and BI Technologies
  - Clickstream Web Analytics Tools
  - Midrange Web Analytics Tools
  - Open Source Web Analytics Tools
- Product and App Analytics Tools
  - MixPanel
  - Chartbeat
  - deltaDNA
  - Interana
  - Amplitude
  - Google Analytics 360 for Product Analytics
- Customer Experience, Session Recording and Website Heat Map Tools
  - ClickTale
  - CrazyEgg
  - HotJar
  - Inspectlet
  - Lucky Orange
  - Mouseflow
  - Seevolution
  - SessionCam
- AB Testing and Conversion Optimization Tools
  - Adobe Target
  - Google Content Experiments
  - Instapage
  - Optimizely
  - Unbounce
  - Visual Website Optimizer - VWO
- BI Tools and Technologies
  - Data Science Platforms
  - BI Tools
  - BI Visualization Tools
- Digital Analytics Community
- Web Analytics-Related Conferences
  - adtech
  - Advocamp
  - ConversionXL
  - eMetrics Summit
  - Inbound Conference
  - Incite Summit
  - LunaMetrics
  - MARTech
  - MozCon
  - Predictive Analytics Innovation Summit
  - SearchLove
  - Predictive Analytics World
  - SXSW Interactive
  - Social Media and Web Analytics Innovation Summit
  - WistiaFest
- Digital, Content and Email Marketing Conferences
- BI and Big Data Conferences
- Web Analytics Books
  - Web Analytics 2.0
  - Advanced Web Metrics with Google Analytics
  - Ask, Measure, Learn
  - Lean Analytics
- Web Analytics Gurus
  - Avinash Kaushik
  - Annie Cushing
  - Gary Angel
  - Joost de Valk
  - Luke Hay
Ready to see behavioral analytics in action?

Get a Demo >>

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